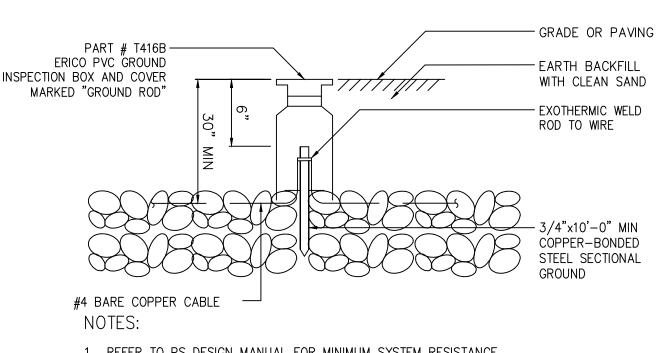
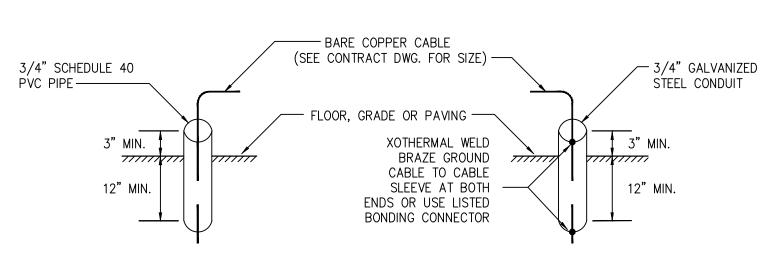


CONDUIT THROUGH WALL SEAL



1 REFER TO PS DESIGN MANUAL FOR MINIMUM SYSTEM RESISTANCE. IF THIS RESISTANCE CANNOT BE MET WITH SINGLE 10'-0" RODS, ADD ADDITIONAL SECTIONS TO RODS OR ADD NEW RODS AS REQUIRED, SPACED 6'-0" TO 10'-0" FROM EXISTING RODS.

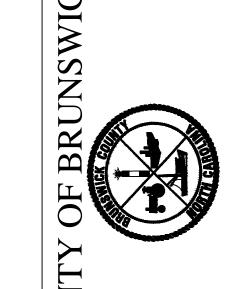
**ELECTRICAL INSTALLATION DETAIL** GROUND ROD ASSEMBLY



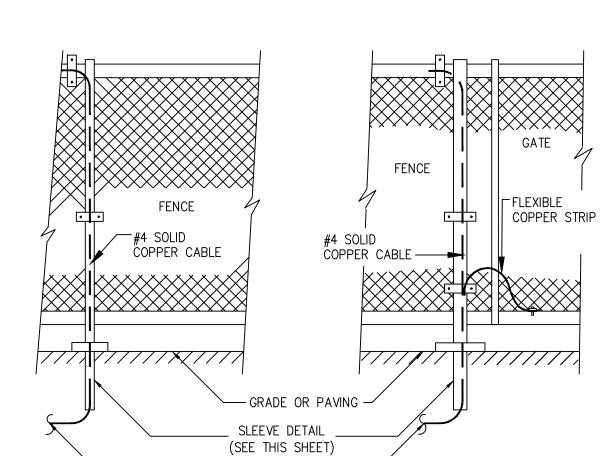
PREFERRED SLEEVE INSTALLATION

GROUND CABLE SLEEVE INSTALLATION

ALTERNATIVE SLEEVE INSTALLATION



Revisions



NOTE: PER BRUNSWICK COUNTY DIRECTION, IF REQUIRED, THE PUMP STATION FENCE AND GATES SHALL BE BONDED TO THE PUMP STATION GROUNDING SYSTEM AS SHOWN.

CONNECTION AT

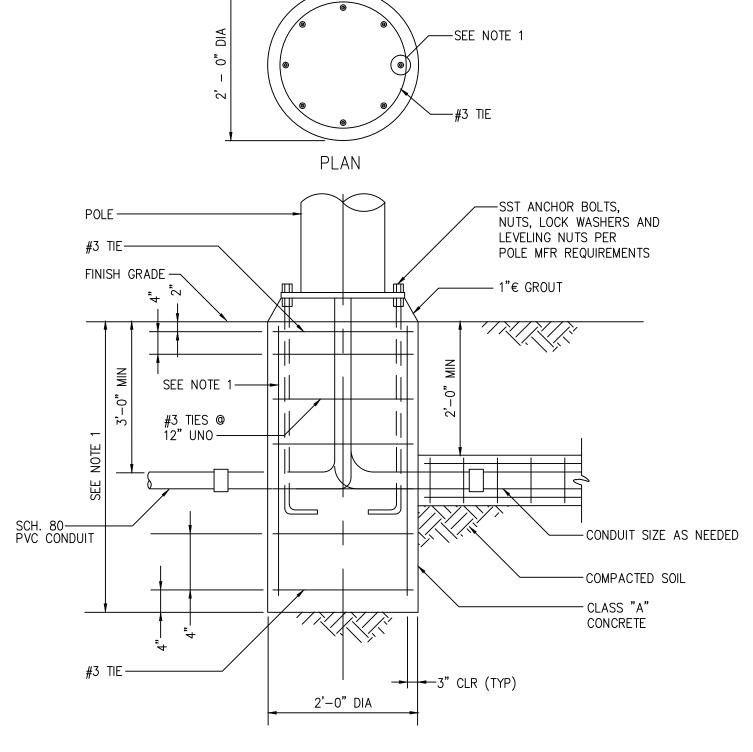
EACH GATE POST

FENCE GROUNDING INSTALLATION DETAIL

TO MAIN GROUND LOOP -

CONNECTION AT

FENCE POST

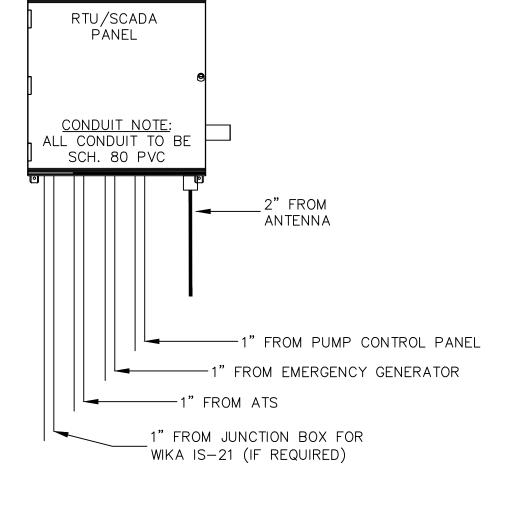


ELEVATION

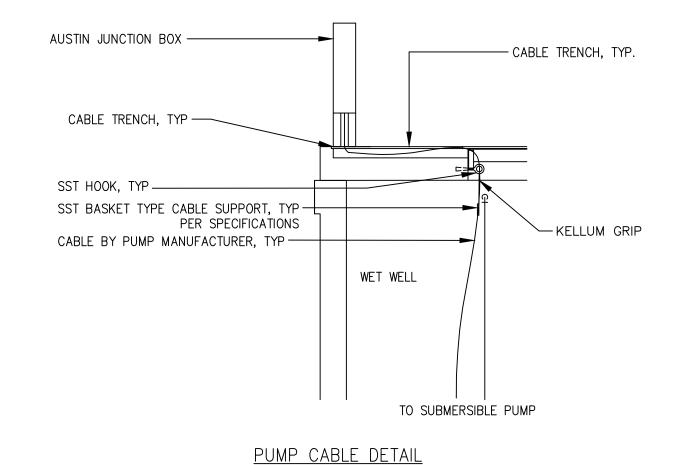
NOTES:

1 IF NOT SPECIFIED OR SHOWN, DEPTH AND REINFORCEMENT SHALL BE DETERMINED BY POLE MANUFACTURER. LOADING SHALL BE DEAD LOAD PLUS 100 MPH WIND, STANDARD EXPOSURE PER STANDARD BUILDING CODE.

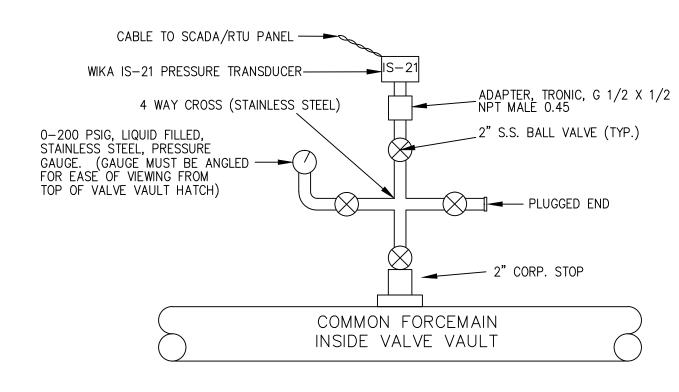
AREA LIGHTING FIXTURE MOUNTING



SCADA/RTU PANEL CONDUIT DETAIL



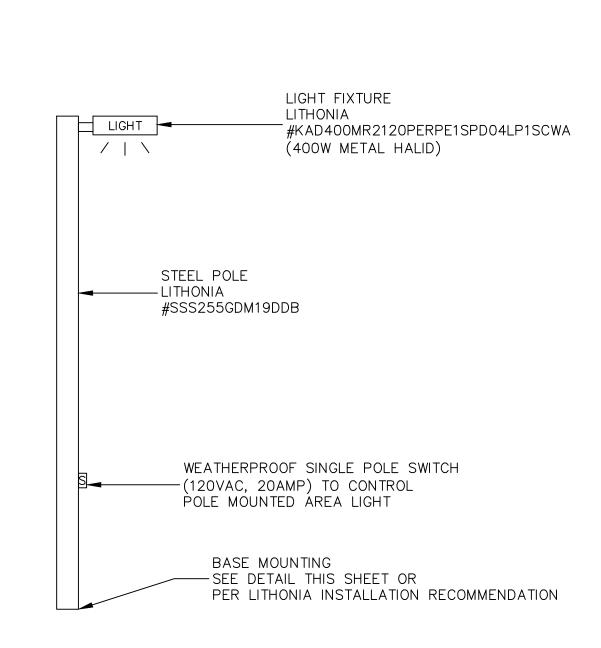
AREA LIGHTING FIXTURE MOUNTING



PRESSURE GAUGE AND TRANSDUCER DETAIL (ALTERNATE)

## NOTES:

- 1. PRESSURE TRANSDUCER WIKA IS-21, 0-200 PSI, OUTPUT 4-20 MA, CABLE LENGTH 100' MINIMUM OR AS REQUIRED TO CONNECT TO SCADA/RTU PANEL WITHOUT SPLICES (PART #52070808)
- 2. ADAPTOR TRONIC G  $\frac{1}{2}X_2^{\frac{1}{2}}$  NPT MALE (PART #2252651) 3. PRESSURE TRANSDUCER CABLE MUST REACH THE SCADA/RTU PANEL WITHOUT
- SPLICING AND WILL BE INSTALLED IN A 1" DIAMETER, SCH. 80 PVC CONDUIT.
- 4. CONTRACTOR SHALL ASSEMBLE THE "PRESSURE GAUGE AND TRANSDUCER DETAIL (ALTERNATE)" AS COMPACTLY AS POSSIBLE INSIDE THE PUMP STATION VALVE



4 OF 4

Date: <u>04-25-12</u>

Scale: NTS Drawn By: JDM

Checked By: WLP